CyberView™

User Manual

1U LCD Keyboard Drawers
15", 17" and 19" Screen Sizes

ER1 Series

- Optional KVM

ERS Series

- Designed to work with Sun
- 1U 17" or 19" Screen
- Optional KVM

ER1S Shallow Series

- Shallow Depth
- Single Console Only

Contents

Chapter 1 Getting Started

1.1 Important Safeguards....1
1.2 Regulatory Notice....2
1.3 Package Contents....3
1.4 Before Installation....4
1.5 Unpacking....4
1.6 Optional Accessories....4
1.7 Peripheral Products....5
1.8 Structure Diagram....5
1.9 How to Install “One Man” Installation Slides....6-7
1.10 How to Use The Slides....8
1.11 How to Use ER1 Series LCD Keyboard Drawer....9
1.12 ERS Series (Single console)
- Use CB-6 to connect to server via USB interface....10
1.13 ERS Series (Single console)
- Use CB-6 to connect to KVM via USB interface....10
1.14 ER1 Series (Single console)
- Use CE-6 to connect to server via PS/2 interface....11
1.15 ER1 Series (Single console)
- Use CE-6 to connect to KVM via PS/2 interface....11
1.16 ER1 Series (Single console)
- Use CE-6 to connect to server via USB interface....12
1.17 ER1 Series (Single console)
- Use CE-6 to connect to KVM via USB interface....12

Chapter 2 Operation

2.1 On-Screen Display Operation....13
2.2 On-Screen Menu....14

Chapter 3 Standard Specification

3.1 Specifications....15
3.2 Keyboard & Mouse....16-17
3.3 How to Use ERS Keyboard....18

Contents

Chapter 4 **Optional Specification**

4.1 KVM Options.....19
4.2 DVI-D Option.....19
4.3 BNC + S-Video Option.....19
4.4 Audio Option.....20
4.5 DC Power Options.....20
4.6 Touchscreen Options.....21

Chapter 5 **Troubleshooting**.....22

Chapter 6 **Dimensions**.....23

1.1 Important Safeguards

Chapter 1

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2 Regulatory Notice

Legal Information

First English printing, October 2002
Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the drawer is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

CAUTION: Slide/rail mounted equipment is not to be used as a shelf or a work space.

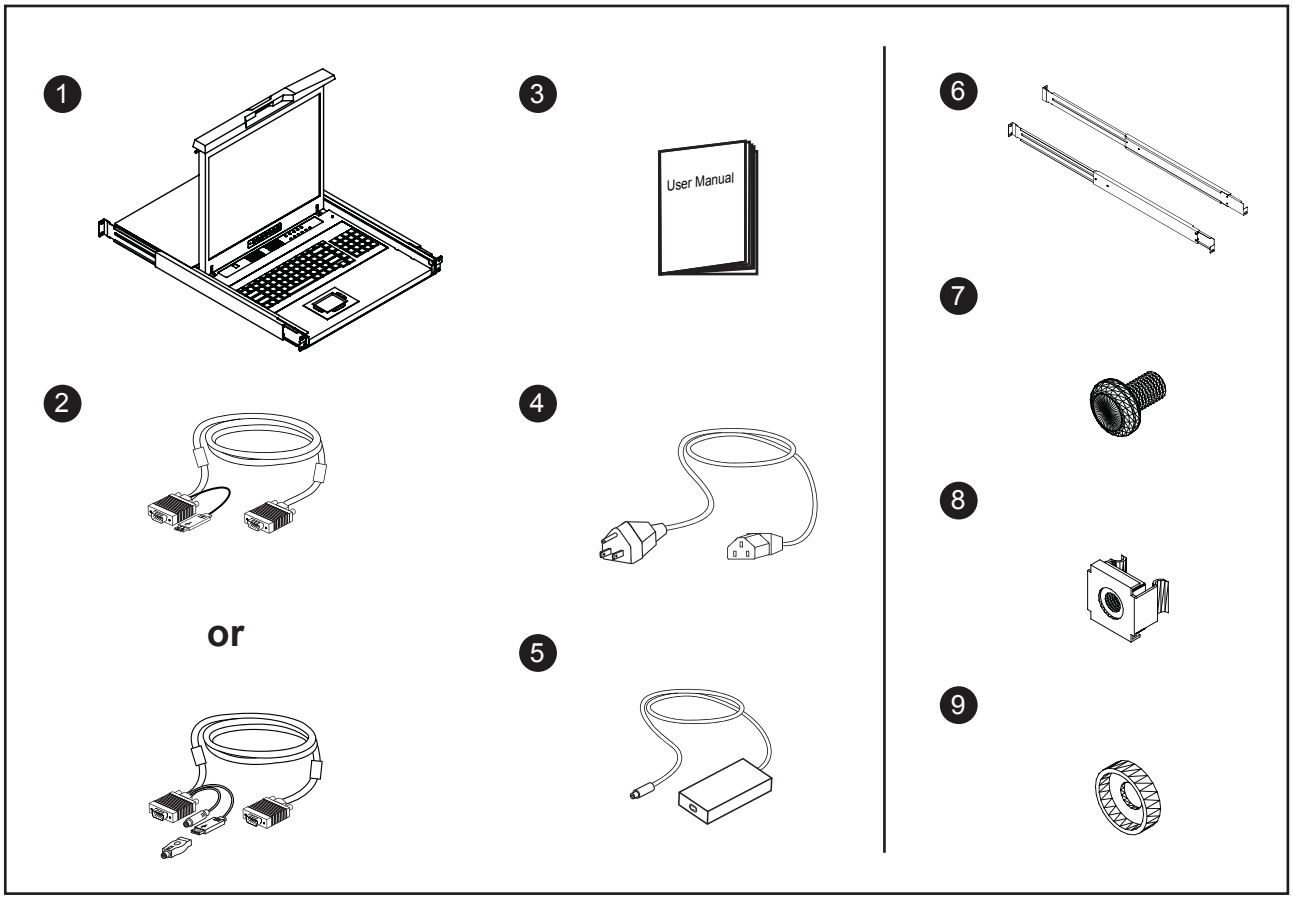
Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reposition or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

1.3 Package Contents

Chapter 1



① LCD keyboard drawer x 1 pc

② **CB-6** USB 2-in-1 KVM cable x 1 pc (for "S" series) **or**
CE-6 Combo 4-in-1 KVM cable x 1 pc (for RKP series)

③ User manual (As of Sept 2011, all user manuals will be download-only. Physical copies are available upon request)

④ Power cord x 1 pc

⑤ Auto switch power adapter (for external power version) x 1 pc

⑥ Mounting bracket x 2 pcs

⑦ M6*15mm screw x 8 pcs

⑧ M6 cage nut x 6 pcs

⑨ Cup washer x 8 pcs

1.4 Before Installation

- It is very important to locate the LCD Keyboard Drawer in a suitable environment.
- The surface for placing and fixing the LCD Keyboard Drawer should be stable and level or mounted into a suitable cabinet.
- Make sure the place has good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.
- Position LCD Keyboard Drawer with respect to related facilities.

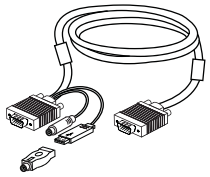
1.5 Unpacking

The LCD keyboard drawer comes with the standard parts shown on the package contents. Check and make sure they are included and in good condition. If anything is missing, or damage, contact the supplier immediately.

1.6 Optional Accessories

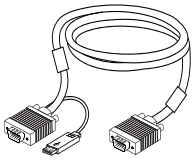
1. Combo 4-in-1 KVM cable

1.1 CAE-6 (CE-6) 6 feet
1.2 CAE-10 (CE-10) 10 feet
1.3 CAE-15 (CE-15) 15 feet



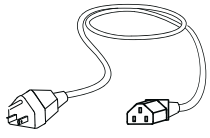
2. USB 2-in-1 KVM cable

2.1 CAU-6 (CB-6) 6 feet
2.2 CAU-10 (CB-10) 10 feet
2.3 CAU-15 (CB-15) 15 feet



3. Power Cord

3.1 IEC power cord
3.2 NEMA 5-15 power cord (US)
3.3 BS 1363 power cord (UK)
3.4 CEE 7/4 power cord (German)
3.5 AS 3112 power cord (Australia)



Please Note:

- CAU/CB cables pertain to ERS series only

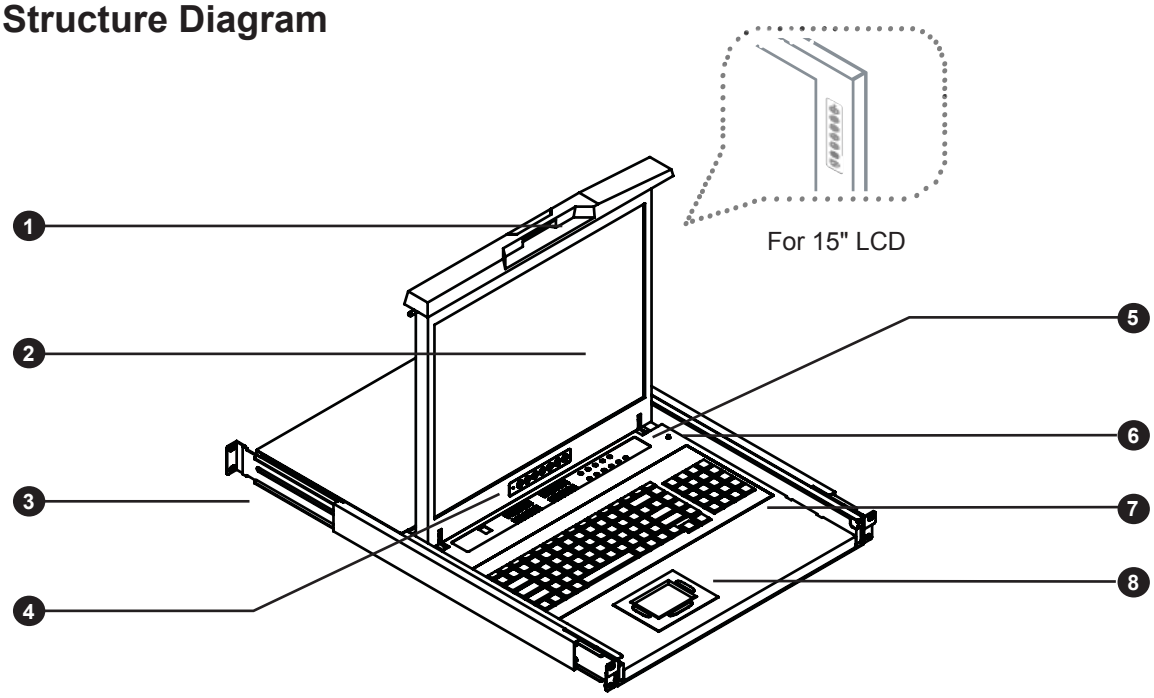
1.7 Peripheral Products

Item	Model No.	Description
Matrix Cat6 KVM	16-Cat6-M2X / M3X / M4X 16-Cat6-M3X-IP / M4X-IP / M4X-2IP 32-Cat6-M2X / M3X / M4X 32-Cat6-M3X-IP / M4X-IP / M4X-2IP	Matrix Cat 6 16-Port KVM Matrix IP Cat 6 16-Port KVM Matrix Cat 6 32-Port KVM Matrix IP Cat 6 32-Port KVM
Matrix DB-15 KVM8	8-M2X / M3X / M4X 8-M3X-IP / M4X-IP / M4X-2IP 16-M2X / M3X / M4X 16-M3X-IP / M4X-IP / M4X-2IP	Matrix DB-15 8-Port KVM Matrix IP DB-15 8-Port KVM Matrix DB-15 16-Port KVM Matrix IP DB-15 16-Port KVM
Combo Cat 6 KVM	8-Cat6 / 8-Cat6-2X / 8-Cat6-IP 16-Cat6 / 16-Cat6-2X / 16-Cat6-IP 32-Cat6 / 32-Cat6-2X / 32-Cat6-IP	Combo Cat 6 8-Port KVM Combo Cat 6 16-Port KVM Combo Cat 6 32-Port KVM
Combo DB-15 KVM	8-USB / 8-2X / 8-IP 16-USB / 16-2X / 16-IP	Combo DB-15 8-Port KVM Combo DB-15 16-Port KVM
PS/2 DB-15 KVM	4 / 8 / 16	4 / 8 / 16-Port PS/2 DB-15 KVM

Please Note:

■ Matrix & Combo KVM options are not available for ER1S models (please see ER2S)

1.8 Structure Diagram



① Carry handle to release the 2-pt lock

② LCD interchangeable module kit

③ “One Man” Installation Slides

④ LCD membrane

⑤ Membrane switch (KVM option)

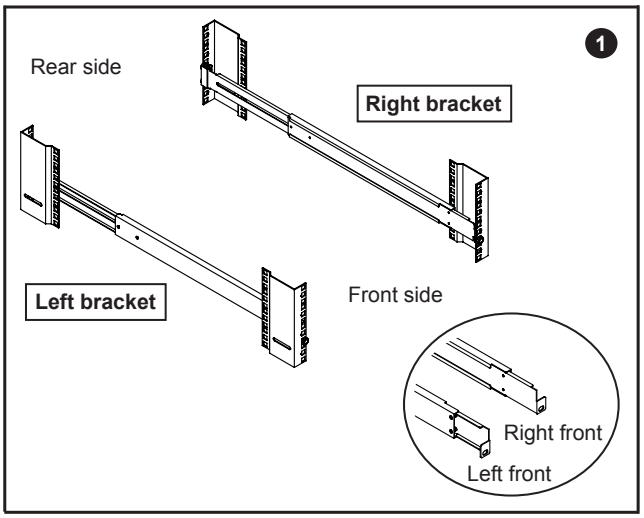
⑥ Micro switch for screen auto power off

⑦ Keyboard interchangeable module kit

⑧ Mouse interchangeable module kit

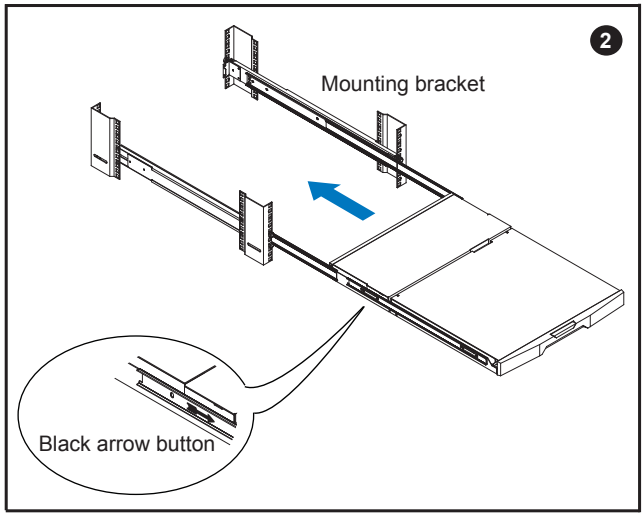
1.9 How to Install "One Man" Installation Slides

Install into rack



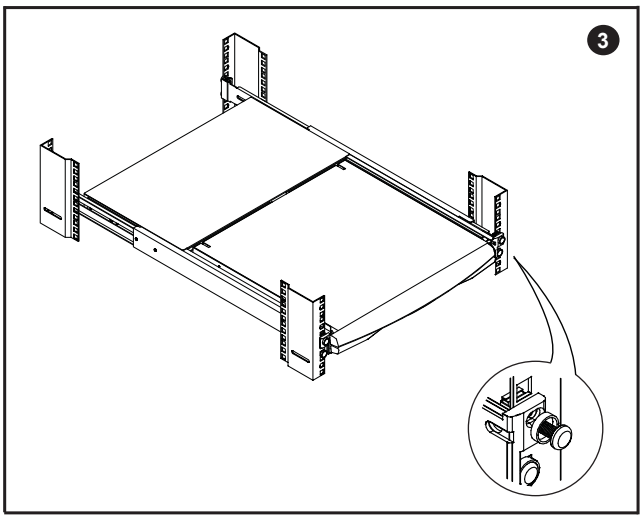
- Attach the left and right mounting bracket to rack 19" mounting rails.
- Adjust the rear mouting bracket to fit your rack.
- M6 screw and cup washer x 6 pcs included.

Caution : Leave the screws slightly loose until you complete the installation in step 4

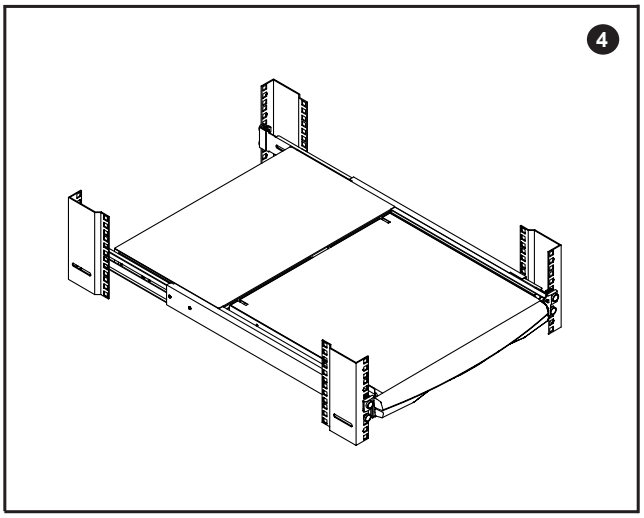


- Pick up the LCD keyboard drawer.
- Insert the LCD keyboard drawer into the mounting bracket.
- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD keyboard drawer to park position.

1.9 How to Install "One Man" Installation Slides



- Attach front left and right mounting ears of the LCD keyboard drawer to vertical mounting rails.
- M6 screw and cup washer x 2 pcs included.



Complete the installation

- Tighten all 8 pcs of M6 screw to complete the installation.

Please Note:

- NBK-01 pertains only to ER1-15 / 17 / 19 & ERS-17 / 19 models
- NBK-02 pertains only to ER1S-15 / 17 / 19 models
- Installation procedures of NBK-02 are same as that of NBK-01

1.10 How to Use the Slides

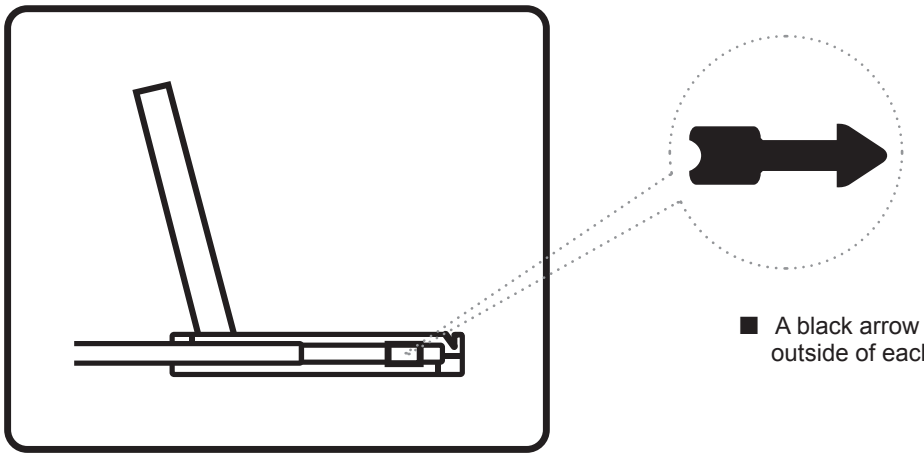


Figure 1.

■ A black arrow release button is located on the outside of each slide. (shown in **Figure 1)**.

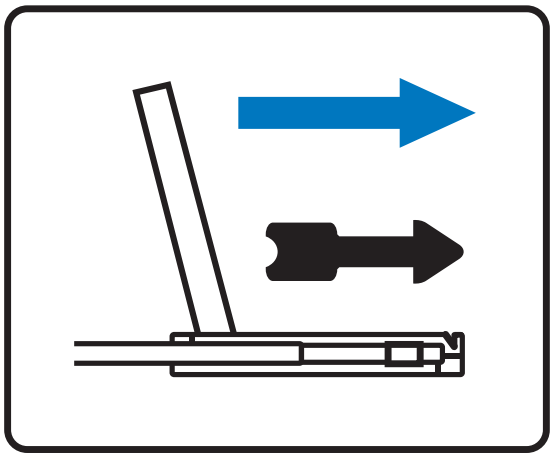


Figure 2.

■ Pull and hold the black arrow button on either side of the LCD keyboard drawer to unlock. (shown in **Figure 2)**.

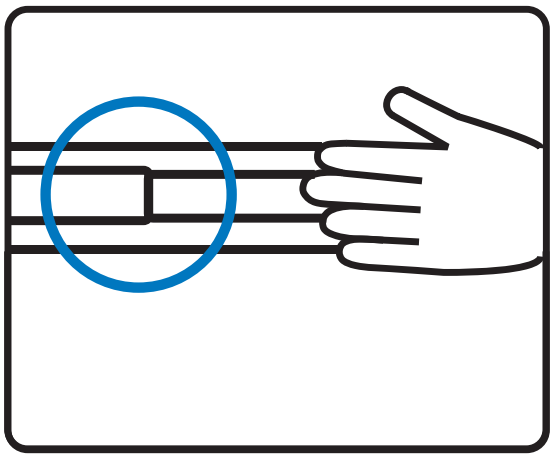


Figure 3.

■ Push the LCD keyboard drawer into the rack. (shown in **Figure 3)**.

Caution : Keep your fingers away from the slide stop

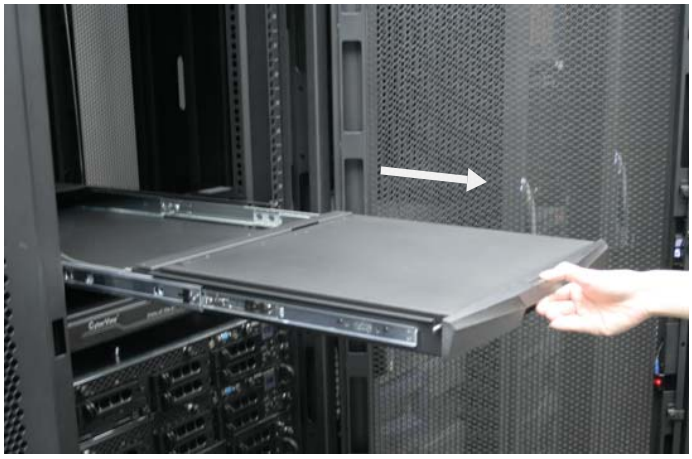


Figure 4. Slide the LCD keyboard drawer out after pressing the carry handle button.

■ Press the carry handle button. Gently pull the carry handle toward the front of the LCD shown in **Figure 4**.

Figure 5. Raise the LCD to a suitable angle.

■ Raise the LCD to a suitable angle shown in **Figure 5**.

Figure 6. Operating the LCD keyboard drawer.

■ Operate the LCD keyboard drawer shown in **Figure 6.**

1.12 ERS Series (Single Console)

- Use CB-6 to connect to server via USB interface

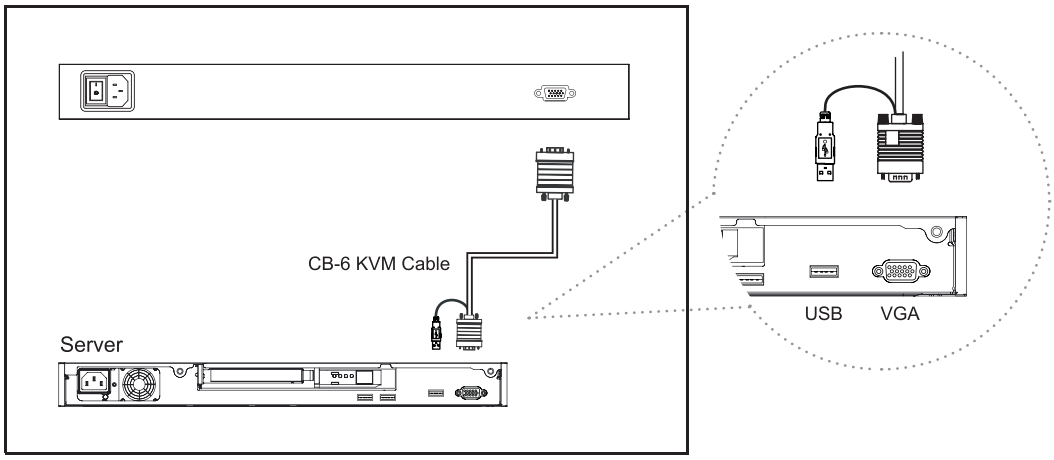


Figure 7. Example of connecting CB-6 2-in-1 USB KVM cable to server via USB interface

1.13 ERS Series (Single Console)

- Use CB-6 to connect to KVM via USB interface

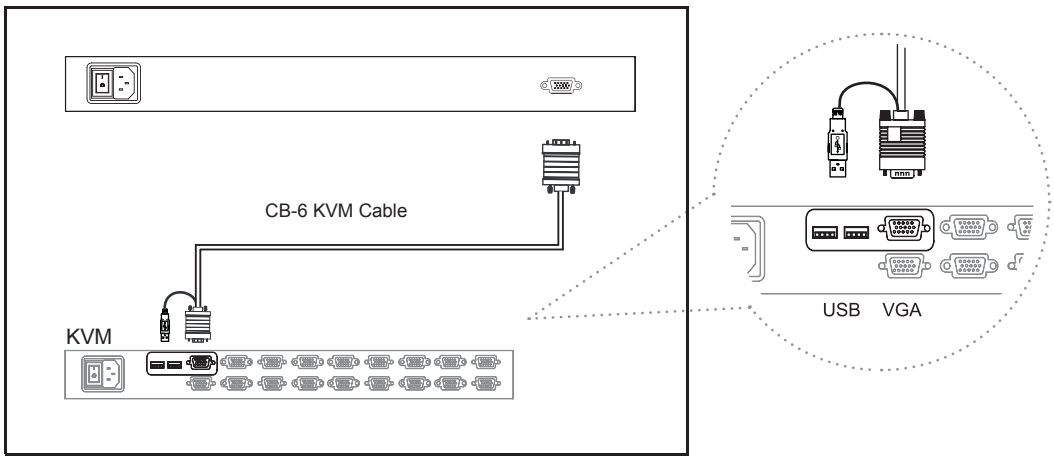


Figure 8. Example of connecting CB-6 2-in-1 USB KVM cable to KVM via USB interface

Please Note:

- The above diagrams pertain only to the single console LCD keyboard drawer
- For integrated KVM LCD keyboard drawers, please refer to the "All KVM" user manual

Caution : The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The supplier is not responsible for damage caused in this way.

1.14 ER1 Series (Single Console)
- Use CE-6 to connect to server via PS/2 interface

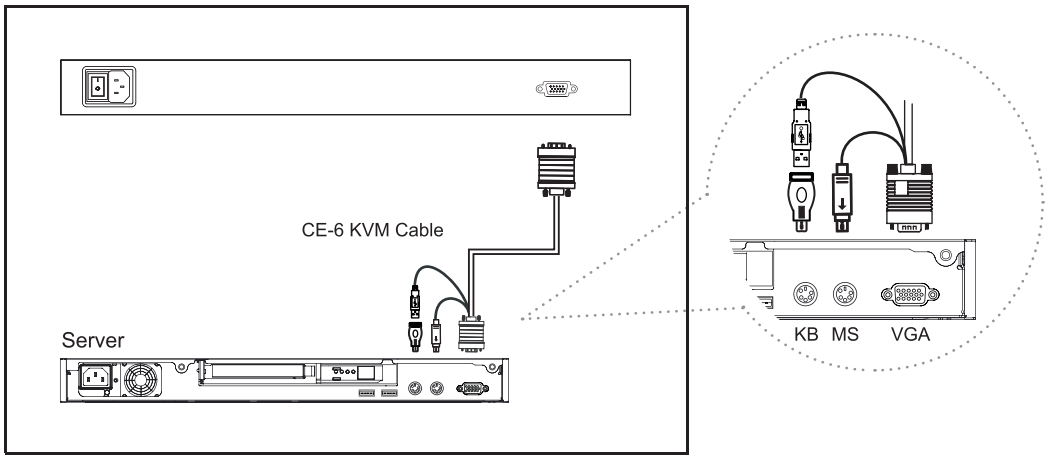


Figure 9. Example of connecting CE-6 4-in-1 Combo KVM cable to server via PS/2 interface

1.15 ER1 Series (Single Console)
- Use CE-6 to connect to KVM via PS/2 interface

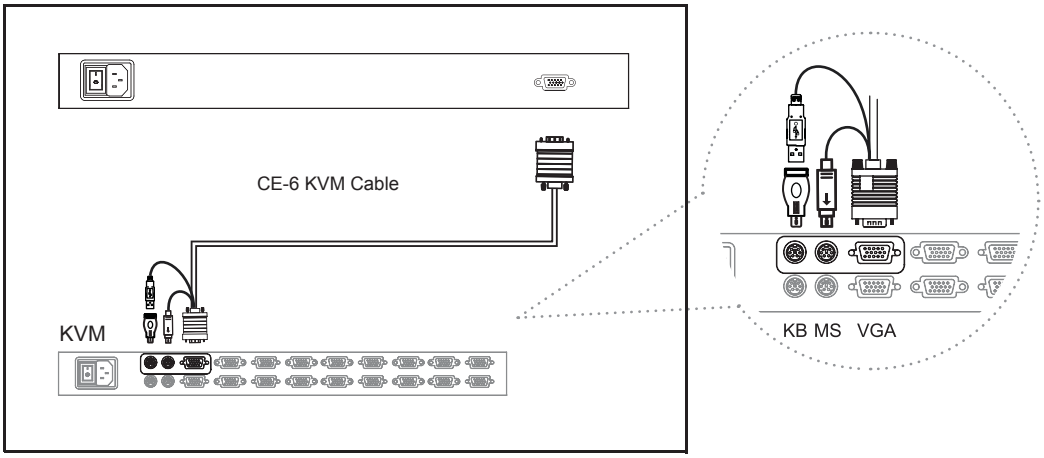


Figure 10. Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via PS/2 interface

Please Note:

- ER1/ERS Series use internal power via C13 (ER1S contains an external power brick)
- The above diagrams pertain only to the single console LCD keyboard drawer
- For integrated KVM LCD keyboard drawers, please refer to the "All KVM" user manual

Caution : The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.

1.16 ER1 Series (Single Console)
- Use CE-6 to connect to server via USB interface

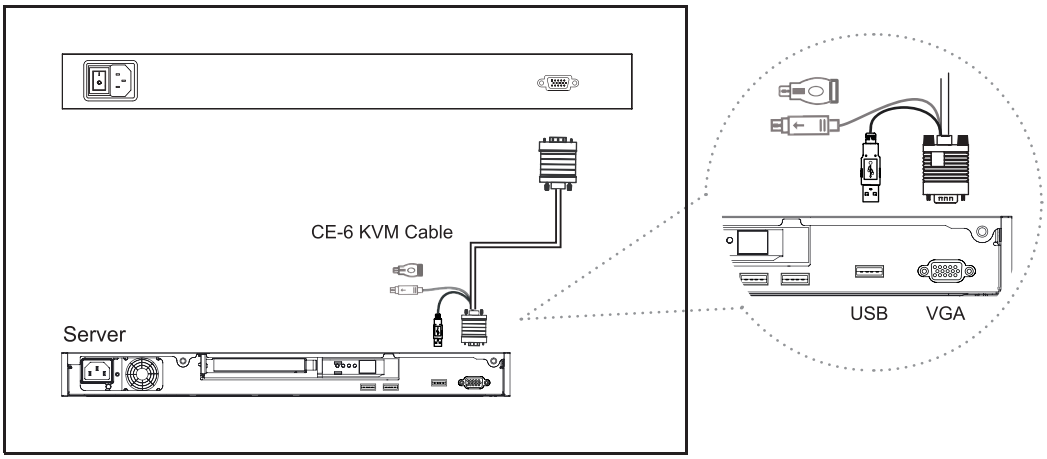


Figure 11. Example of connecting CE-6 4-in-1 Combo KVM cable to server via USB interface

1.17 ER1 Series (Single Console)
- Use CE-6 to connect to KVM via USB interface

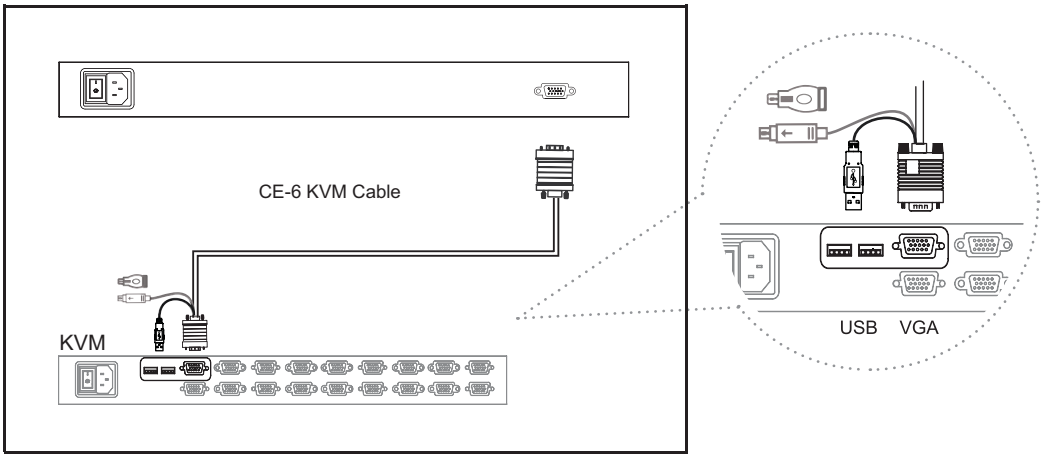


Figure 12. Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via USB interface

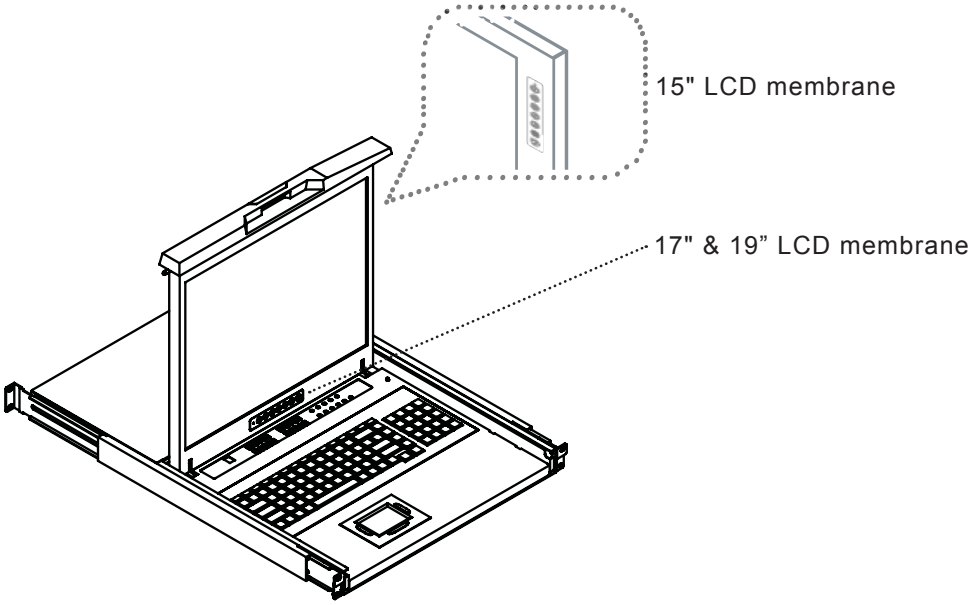
Please Note:

- ER1/ERS Series use internal power via C13 (ER1S contains an external power brick)
- The above diagrams pertain only to the single console LCD keyboard drawer
- For integrated KVM LCD keyboard drawers, please refer to the "All KVM" user manual

Caution : The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The supplier is not responsible for damage caused in this way.

2.1 On-Screen Display Operation

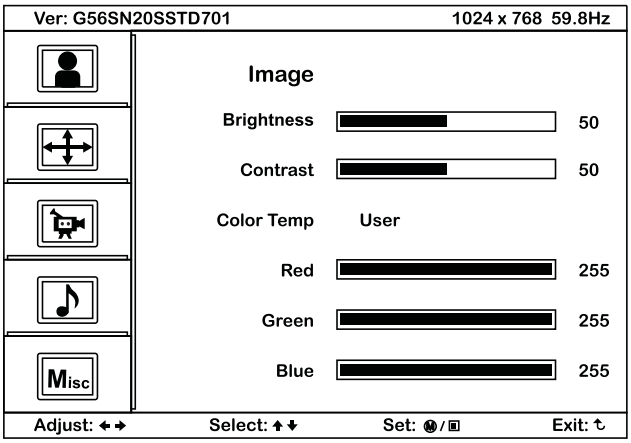
Chapter 2



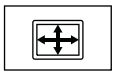
Membrane Switch	Function
○ ● ●	Power light Green = On Orange = Power saving
⏻	Power on / off LCD
M	Display the OSD menu
◈ ◈ ◈ ◈	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button ◈ for 5 seconds)
↩	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)

2.2 On-Screen Menu

Chapter 2



OSD Configuration Page

	Image: To open the brightness, contrast, color temp, red, green, and blue controls
	**Geometry:** To open the auto adjust, H position, V position, phase and clock controls
	Video: To open the colour, tint, sharpness, noise reduction, DCDi and TV Setup controls
	Audio: To open volume, bass, treble, balance, AVL and mute controls
	Misc: To open the language, OSD position, graphic mode, ratio, reset and timer controls

3.1 Specifications

Chapter 3

Item	Description				
Form Factor	1U rackmount on slide-out rails				
LCD Manufacturer	SAMSUNG			-	
Series	ER1			ERS	
Diagonal Size	15" TFT	17" TFT	19" TFT	17" TFT	19" TFT
Max. Resolution	1024 x 768	1280 x 1024	1280 x 1024	1152 x 900 (Direct) 1280 x 1024 (Native)	1152 x 900 (Direct) 1280 x 1024 (Native)
Brightness (cd/m²)	250	300	250	300	250
Color Support	16.2 M	16.7 M	16.7 M	16.7 M	16.7 M
Contrast Ratio (typ.)	700:1	1000:1	1000:1	1000:1	1000:1
Viewing Angle (H/V)	150˚ x 135˚	160˚ x 160˚	160˚ x 160˚	160˚ x 160˚	160˚ x 160˚
Display Area (mm)	304 x 228	338 x 270	376 x 301	338 x 270	376 x 301
Tr Response Time (ms)	2	1.3	1.3	1.3	1.3
LCD Panel MTBF (hrs)	50,000	50,000	50,000	50,000	50,000
VGA Signal Input	Analog RGB, 0.7Vp-p				
Sync. Type	Separate H/V, Composite, SOG				
Resolution	640 x 400, 70 Hz	-			
	720 x 400, 70 Hz				
	640 x 480, 60/ 70/ 72/ 75 Hz				
	800 x 600, 60/ 70/ 72/ 75 Hz				
	1024 x 768, 60/ 70/ 72/ 75 Hz	1024 x 768, 60/ 70/ 75 Hz			
	-	1152 x 864, 60/ 70/ 75 Hz			
	-	1280 x 720, 60/ 70/ 75 Hz		1280 x 720, 60/ 75 Hz	
	-	1280 x 1024, 60/ 70/ 72/ 75 Hz		1280 x 1024, 60/ 70/ 75 Hz	
	-			1152 x 900, 66 /76Hz	
Plug & Play DDC	EDID 1.3				
Console Port (Combo)	DB-15 connector for VGA / keyboard / mouse (Combo interface)			DB-15 connector for VGA / keyboard / mouse Support USB servers or Combo KVM switches	
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz				
Power Consumption	Max. 48 Watt, Standby 5 Watt				
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs.				
Regulation Approval	FCC, CE	FCC, CE, UL*	FCC, CE	FCC, CE, UL*	FCC, CE

*** Note:** ER1-17 / ERS-17 series in single console, with Combo Cat6 KVM or Combo DB-15 KVM integration is UL approved

Options

KVM Integration	Matrix & combo KVM with IP console and 2-console selection	
Keyboard & mouse	Full size keyboard built-in touch-pad / trackball	SUN-compatible keyboard integrated with 3-button touchpad / trackball
Graphic Input	DVI-D, BNC & S-Video input	-
DC Power	DC power input with 12V, 24V, 48V selection	
Touchscreen	Resistive & capacitive	-

Environmental

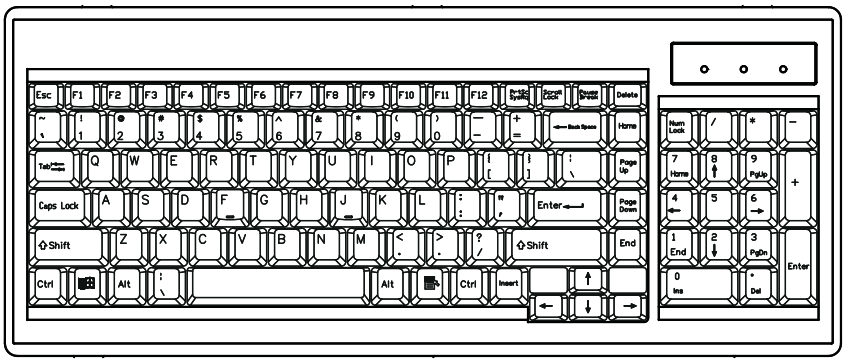
Operation	0˚ to 50˚C Degree
Storage	-5˚ to 60 ˚C Degree
Relative Humidity	5~90%, non-condensing
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration

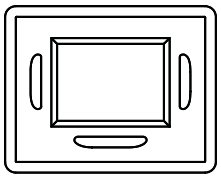
3.2 Keyboard & Mouse

Chapter 3B

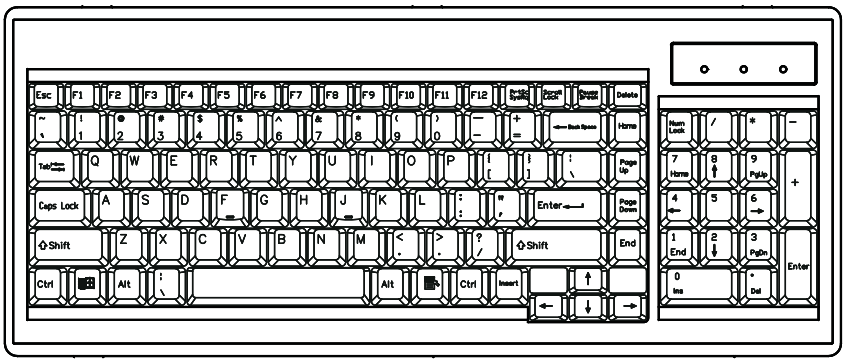
ER1 and ER1S Series

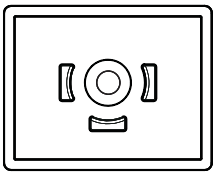
Supporting layouts





N N keyboard integrated with touch pad



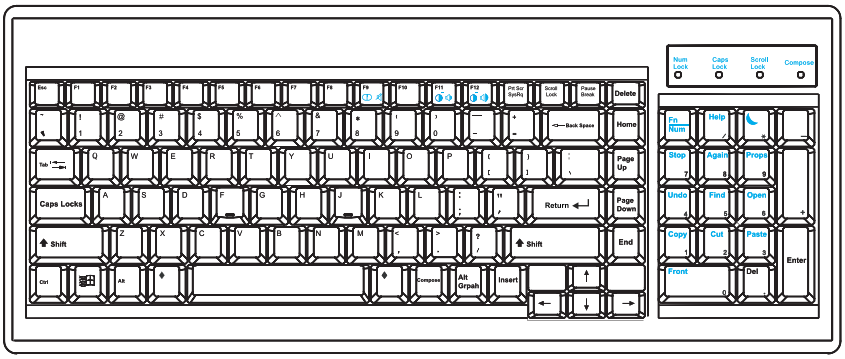


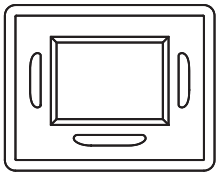
B B keyboard integrated with track ball

ERS Series

Supporting layouts

N



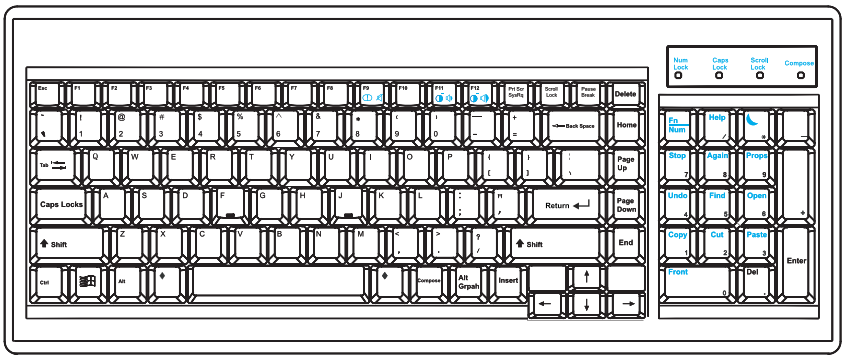


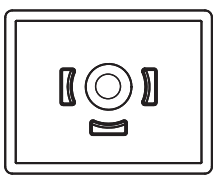
ERS N Keyboard with Touch Pad

SOLARIS®

- Incorporates Sun keys including Stop, Cut, Paste, Compose, Copy and Help
- 104 key notepad keyboard with full numerical pad and Sun function
- USB interface

B





ERS B Keyboard with Track Ball

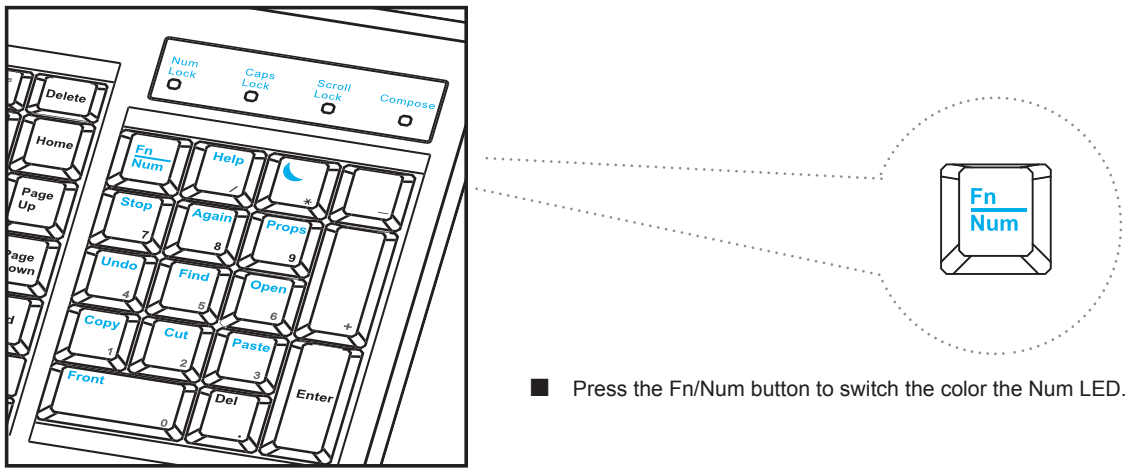
SOLARIS®

- Incorporates Sun keys including Stop, Cut, Paste, Compose, Copy and Help
- 104 key notepad keyboard with full numerical pad and Sun function
- USB interface

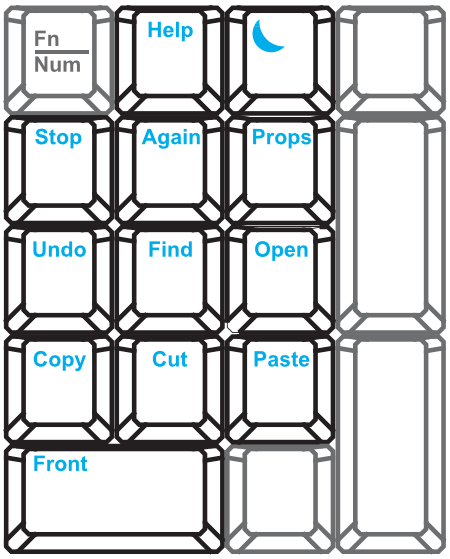
3.3 How to Use ERS keyboard

Chapter 3

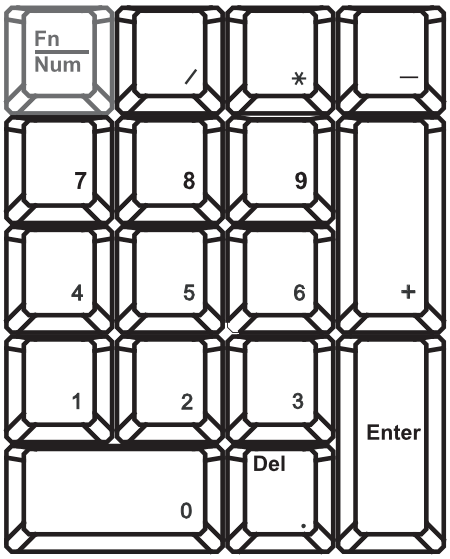
■ The ERS Sun compatible keyboard incorporates Sun-specific command keys



■ Press the Fn/Num button to switch the color the Num LED.



Num LED in Off mode
Keypad operates in Sun Solaris system administration command mode



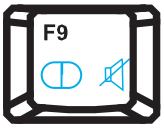
Num LED in Green color
Keypad behaves as a normal keypad mode

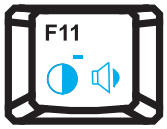
Three Audio / Display keys are located in the upper-right corner of the ERS keyboard:

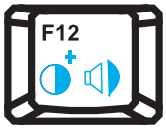
■ Audio: Mute, decrease volume, increase volume

■ Display: Degauss, decrease contrast and increase contrast

■ Please ask your supplier for full details







4.1 KVM Options

Chapter 4

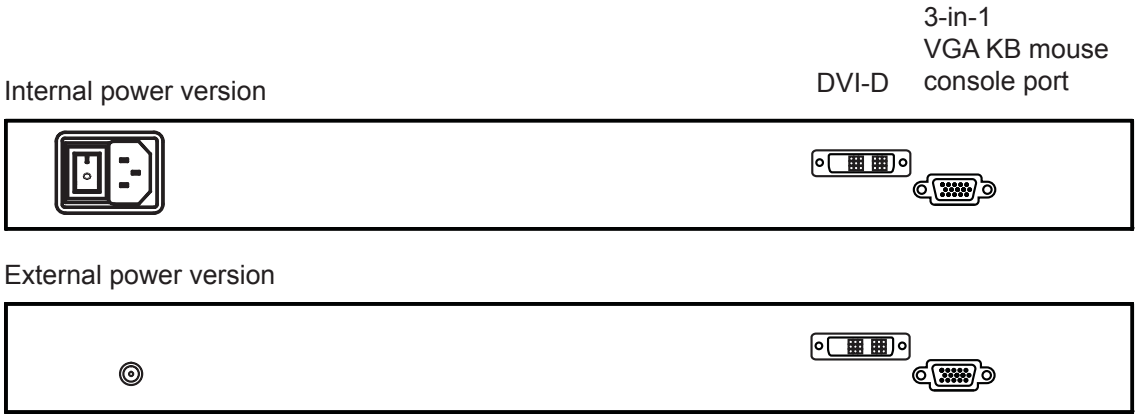
Our KVM is designed to seamlessly integrate into the rear of our full range of LCD drawer solutions:

- For KVM operation, please refer to the "All KVM" user manual
- Options available for multiple consoles via Matrix KVM
- Options available for high density & cost efficient Combo KVM integration with either 8 / 16 / 32 ports
- Options available for low cost PS/2 KVM
- Please ask your supplier for full KVM details

Please Note:

- Matrix & Combo KVM options are not available for ER1S models (please see ER2S)

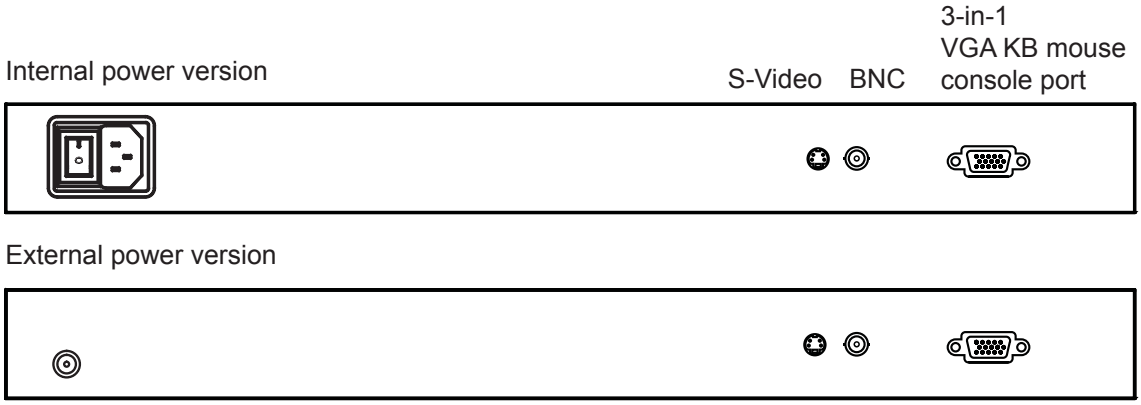
4.2 DVI-D Option



Please Note:

- Package includes 1 x 6ft DVI-D cable
- The depth of ER1S-17 / 19 will be extended from 480mm (18.9 ") to 530mm (20.9")

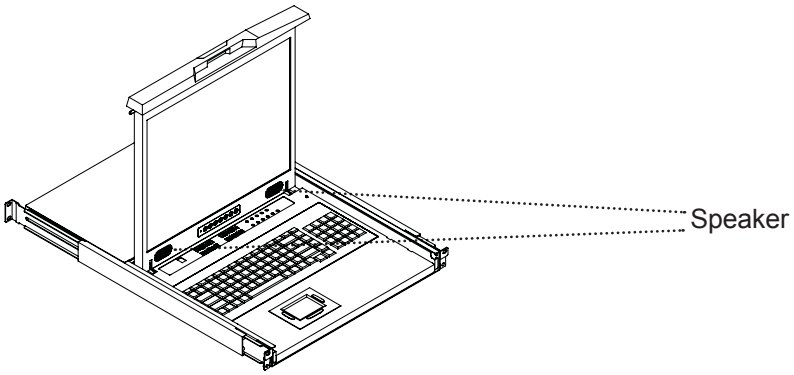
4.3 BNC + S-Video Option

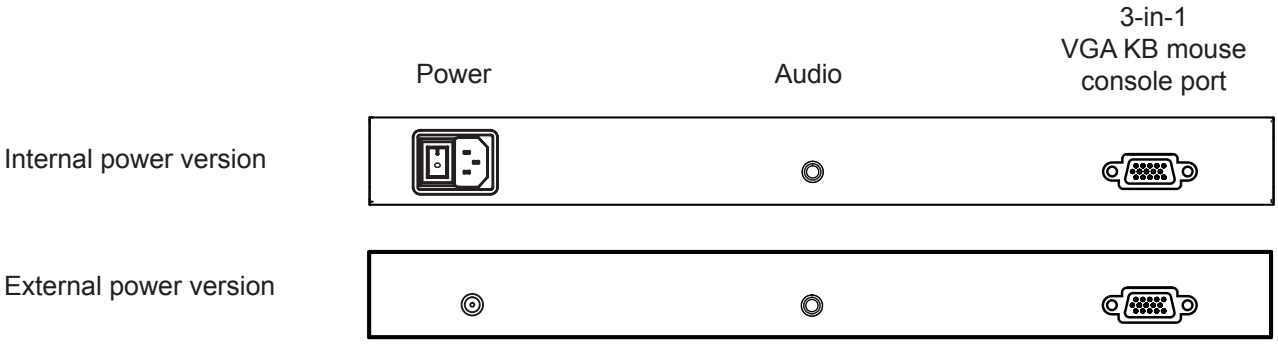


Please Note:

- Package includes 1 x 6ft S-Video cable

4.4 Audio Option

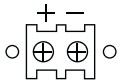




Please Note:

- Audio input is 35mm audio plug
- The speaker is sharing the same power with LCD

4.5 DC Power Options



Model	12V	24V	48V
Input rating			
Input voltage:	12-Volt	24-Volt	48-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
Output rating			
Output voltage:	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A
Efficiency	84%	85%	85%

Please Note:

- Power cabling is not included with DC Power option
- The depth of ER1S-17 / 19 will be extended from 480mm (18.9") to 530mm (20.9")

4.6 Touchscreen Options

e-Resistive

Model	-15TRB / -15TRS	-17TRB / -17TRS	-19TRB / -19TRS
Screen size	15"	17"	19"
Interface	USB / serial		
Optical transmittance	80% ± 3%		
Surface hardness	≥3H (JIS K5400)		
Operating system	Windows 98 / 2000 / ME / XP / NT / CE, DOS, Linux		

e-Capacitive

Model	-15TCB / -15TCS	-17TCB / -17TCS	-19TCB / -19TCS
Screen size	15"	17"	19"
Interface	USB / serial		
Optical transmittance	93% ± 2%		
Surface hardness	>9H Surface hardness, withstand over 300 million touches		
Operating system	Windows 98 / 2000 / ME / XP / NT / CE, DOS, Linux		

Please Note:

- The height of ER1-17 / 19 / ER1S-17 / 19 will be increased from 1U to 1.5U
- USB touchscreen package includes 1 x 6ft USB cable, quick reference guideline and CD disc
- Serial touchscreen package includes 1 x 6ft serial cable, quick reference guideline and CD disc
- For detailed information, please refer to the CD disc included with the touchscreen
- As the touchscreen unit is not made of toughened glass, please handle it carefully
- Touchscreen in other brands are available on request

5.1 Troubleshooting

Chapter 5

1. Is an interference signal appearing on the LCD normal when shutting down the computer?

In rare cases, interference may appear on the monitor. This may be caused by signal rate of VGA card and is considered normal. The image quality can be improved by adjusting the phase or pixel rate automatically or manually.

2. The membrane power light is not lit?

Press the power On / Off on LCD membrane to check if the monitor is in the ON mode.
Check the power cord is properly connected to the LCD keyboard drawer and power outlet.

3. Screen image is not centered or sized properly

Press the button for two seconds to automatically adjust the image.
Adjust the H-position and V-position settings via On-screen menu.

4. Is the LCD keyboard drawer hot-pluggable?

The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVMs, may not be hot-pluggable. We suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard receives power.

For ER1 Series

1. How do I adjust the resolution?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", are determined by the display card in your computer.

For ERS Series

1. How can I adjust the monitor resolution to 1152 x 900 for SUN Micro systems?

The ERS solution LCD keyboard drawer will automatically detect the 1152 x 900 resolution, so no user configuration should be necessary.

2. How do I adjust the resolution in MS Windows operating system?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", are determined by the display card in your computer.

3. The Stop-A hot key is not working in Trusted Solaris

The keyboard combination Stop-A (L1-A) is not available in Trusted Solaris by default. The security administrator can change this. Please contact your supplier for further details.

6.1 Dimensions

Chapter 6

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
ER1-15	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"	589 x 856 x 168 mm 23.2 x 33.7 x 6.6"	15 kg 33 lb	21 kg 46 lb
ER1-17	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"	589 x 856 x 168 mm 23.2 x 33.7 x 6.6"	15 kg 33 lb	21 kg 46 lb
ER1-19	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"	589 x 856 x 168 mm 23.2 x 33.7 x 6.6”	17 kg 37 lb	23 kg 51 lb
ERS-17	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"	589 x 856 x 168 mm 23.2 x 33.7 x 6.6”	16 kg 35 lb	22 kg 48 lb
ERS-19	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"	589 x 856 x 168 mm 23.2 x 33.7 x 6.6”	17 kg 37 lb	23 kg 51 lb
ER1S-15	442 x 480 x 44 mm 17.4 x 18.9 x 1.73"	581 x 705 x 175 mm 22.9 x 27.8 x 6.9"	15 kg 33 lb	21 kg 46 lb
ER1S-17	442 x 480 x 44 mm 17.4 x 18.9 x 1.73"	581 x 705 x 175 mm 22.9 x 27.8 x 6.9”	16 kg 35 lb	22 kg 48 lb
ER1S-19	442 x 480 x 44 mm 17.4 x 18.9 x 1.73”	581 x 705 x 175 mm 22.9 x 27.8 x 6.9”	17 kg 37 lb	23 kg 51 lb

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